

BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to :

Original / Duplicate

Name of the work:- Developmental works for providing Drinking water facility in Thanisandra ward no. 06.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	4	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Water in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging technical personal and labour required etc., as per Specification and direction	Each BW	1938.46	
2	200.00	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of	Rmtr	315.18	
3	200.00	50 to 100 m	Rmtr	412.00	
4	200.00	100 to 150 m	Rmtr	458.35	
5	200.00	150 to 200 m	Rmtr	484.10	
6	200.00	200 to 250 m	Rmtr	560.32	
8	160.00	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty	Rmtr	1325.00	
9	80.00	Providing 250mm dia PVC Pipe 6kg/cm	Rmtr	1133.00	
10	4	Providing and fixing 175mm Borewell Cap	No.	100.00	

No correction - Nil

[Signature]
E.E. (BTP. DIV)

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16/01

Sl. No.	Approved Quantity	Description	Unit	Rates	
				In Figures	In Words
11	4 ✓	Providing and fixing of clampset and bore cap to the pump	Each ✓	450.00 ✓	
12	60 ✓	Providing and fixing 175mm MS Coloer etc as per specification and direction of the engineer of the work	Each ✓	150.00 ✓	
13	4 ✓	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 12.50 HP 25 stage. ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps including of all taxes 12.5 HP 25 Stage	No. ✓	70600.00 ✓	
14	1100.00 ✓	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008	Rmtr ✓	431.00 ✓	
15	2320.00 ✓	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A. P. No. 12 / I No. 2.10.4(1) 3C x 6 Sqm mm	Mtr ✓	188.70 ✓	
16	184 ✓	Heavy Duty Collar 50 mm dia	Nos ✓	150.00 ✓	
17	4.00 ✓	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps one borewell cap. Cable clips with bolts, nuts, valves guages etc involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost)	Mtr ✓	3000.00 ✓	
18	4.00 ✓	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P No. 44 / I No. 6.6.6 KPWD Electrical SR 2014-15	Each ✓	302.00 ✓	
19	120.00 ✓	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A P No. 55/ I No. 7.4.4 4 core 16 Sqmm KPWD Electrical SR 2014-15	Mtr ✓	140.40 ✓	

No of corrections - Nil

16/01
E.E. (S-7 DIV)

16/01

	Approved Quantity	Description	Unit	Rates	
				In Figures	In Words
	1200.00	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15	Mtr	10.80	
21	100.00	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB I-2, P-7) P No. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-15 For Cutting Road Surface	Mtr	85.00	
22	16.00	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV P. No. 62 / I No. 7.12.1 KPWD Electrical SR 2014-15 40mm dia GI pipe	Mtr	345.00	
23	4.00	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., P. No. 62 / I.No. 7.13.2 KPWD Electrical SR 2014-15 16Sqmm	No.	280.00	
24	4	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia, (P No. 55, I No. 7.1) KPWD Electrical SR 2014-15	No.	2727.00	
25	24	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. P No. 44 / I No. 6.7.2 KPWD Electrical SR 2014-15 32 Amps	No.	234.00	
26	4	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13 Page No. 90 Item No. 13.55 / PWD SR 2016-17	No.	1579.40	
27	4	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete 50 mm dia. P. No. 92 / I. No. 13.81.3 PWD SR 2016-17 50mm dia	No.	227.90	
28	8	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete	No.	104.30	
29	4	Supplying shunt capacitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications	No.	1486.00	

No of corrections - Nil

16/01
E.E. (BTP) LHO
16/01

	Approved Quantity	Description	Unit	Rates	
				In Figures	In Words
30	4	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps TPN P No. 47 / I No.6.16.5 KPWD SR 2014-15	No.	1547.00	
31	93600.00	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete P.No. 49, I. No. 6.40.2 KPWD Electrical SR 2014-15 16SWG	Sq. cm	0.34	
32	4	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. 12.5HP to 15 HP Star Delta Starter SERDED Rate	No	11000.00	
33	16.00	Earthwork excavation for pipeline trenches including deporting or bank up to a lead of 50 mtrs including shirry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following structure manhole. Page No. 01/ Item No.1.2.2 / PRED SR 2012-13 Hard Soil	cum	283.02	
34	40.00	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and includng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the excecavation Etc., Page No.15 item No.3.4.2 b PRED SR 2012-13.	Rmtr	161.71	
35	16.00	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including dispensary of the sunplus earth with a heavy 200 mtrs Page No. 3 / Item No. 1.6 / PRED SR 2012-13	cum	76.32	
36	10	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 P. 92 / I.13.37 PWD SR 2016-17	Each	2120.00	

No corrections Nil

E.E. (B7 DIV)

16/01

Approved Quantity	Description	Unit	Rates	
			In Figures	In Words
324	Refilling available earth earth around pipe lines, cables in layers not exceeding 2cms in depth, compacting each deposited layer by ramming ater watering with lead upto 50mm and lift upto 1.5m including cost of all labour complete as per specifications allow 60% of rate considered under item	cum	76.32	
24	Providing and fixing 50mm dia Gun metal wheel valve conforming to IS, Specification of approved make as per directions includng all lead and lift etc. complete 50mm	Nos	1605.00	

Nil of corrections - Nil.

Chandrasekhar 16/01/01
Executive Engineer

Byatarayanapura Division
BBMP, Bangalore - 92

Note:

- 1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)
- 2 Unit rates and prices shall be quoted by the Tender in Indian rupees.
- 3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a))
- 4 Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))

"DTS Approved"

[Signature]

Chief Engineer

Yelahanka Zone

16-01-01
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Bangalore 92